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Parents' Role in the Treatment of Autism Spectrum Disorder (ASD) and Other Mental Disorders of Children: An Ayurvedic Perspective

Dr. Hardik Joshi M.D. (Kaumarbhritya)[1], Mrs. Vandana Hardik Joshi[2], Dr. Bharati Ratdiya M.D. (Kaumarbhritya)[3]

[1]DCP, Associate Professor, Eva College of Ayurveda, Rajkot, Gujarat, India
[2]M.Sc (Nursing) Assistant Professor, Dr. Subhash School of Nursing, Dr. Subhash University, Junagadh, Gujarat, India
[3]Assistant Professor, Eva College of Ayurveda, Supedi, Rajkot, Gujarat, India

ABSTRACT

This chapter explores the role of parents in managing Autism Spectrum Disorder (ASD) and other mental disorders in children, integrating Ayurvedic concepts with modern approaches. It emphasizes the significance of parental involvement, lifestyle, diet, and therapeutic interventions for holistic care.

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INTRODUCTION

Childhood mental disorders, including ASD, attention-deficit/hyperactivity disorder (ADHD), and anxiety disorders, have significant impacts on family dynamics, learning, and social development (American Psychiatric Association, 2013). Global prevalence of ASD has been steadily increasing, with approximately 1 in 100 children affected (WHO, 2021). Early identification and intervention are critical for optimal developmental outcomes.

In the Indian context, Ayurveda offers a comprehensive approach to child health (Bala Chikitsa), emphasizing the balance of physical (Sharira), mental (Manas), and spiritual (Atma) dimensions (Sharma & Dash, 2008). Parental engagement is central to the successful implementation of these interventions, as children's routines, diet, emotional environment, and behavioral reinforcement are primarily guided by caregivers.

The integration of modern approaches-behavioral therapy, parental counseling, and psychoeducation-with Ayurvedic principles provides a holistic framework for managing childhood mental disorders. This chapter aims to explore parental roles through an Ayurvedic lens, highlighting practical strategies that can be adopted at home and in clinical settings.

Ayurvedic Perspective on Child Mental Health

Manas and Mental Constitution

In Ayurveda, Manas refers to the mind, encompassing cognition, emotions, and sensory perception. The balance of Sattva (clarity and harmony), Rajas

(activity and restlessness), and Tamas (inertia and confusion) determines mental health (Charaka Samhita, Sutrasthana 1.41). Imbalances in these qualities can manifest as irritability, hyperactivity, inattentiveness, or social withdrawal in children.

"Sattvam manasa prabodhanaam; Rajo manasa vikaarah; Tamah manasa mandataam vardhayet." (Charaka Samhita, Sutrasthana 1.41)
Translation: Sattva enhances mental clarity; Rajas produces mental disturbances; Tamas increases dullness or mental inertia.

Dosha Imbalance and Mental Disorders

Ayurveda classifies physiological and psychological processes through the three Doshas: Vata, Pitta, and Kapha. Childhood mental disorders often arise from Manasika dosha imbalances, which may be influenced by hereditary factors, maternal health during pregnancy, early life nutrition, and environmental stressors. For example:

- Vata imbalance may present as hyperactivity, attention deficit, anxiety, or sleep disturbances.
- Pitta imbalance may manifest as irritability, aggression, and impatience.
- Kapha imbalance can lead to lethargy, delayed learning, and social withdrawal.

Bala Chikitsa (Pediatric Care)

Bala Chikitsa, a specialized branch of Ayurveda, emphasizes nurturing and preventive care in children. Daily routines (Dinacharya), seasonal regimens (Ritucharya), diet (Ahara), and behavioral guidance (Sattvavajaya Chikitsa) form the foundation of child mental health management (Kashyapa Samhita, Sutrasthana 5.12).

Sattvavajaya Chikitsa (Mind-Strengthening Therapy)

Sattvavajaya Chikitsa involves techniques to strengthen mental resilience and emotional regulation, including:

- Parental counseling and guidance
- Structured routines and consistency
- Reinforcement of positive behavior
- Stress reduction through meditation and mindfulness

Etiopathogenesis (Nidana & Samprapti)

Etiopathogenesis in Ayurveda explains the cause (Nidana) and pathophysiological development (Samprapti) of mental disorders in children. The imbalance of Doshas, disturbed Agni (digestive/metabolic fire), improper nutrition, and environmental factors can contribute to Manasika Vikara (mental disturbances). Genetic predisposition and parental factors, including maternal stress and prenatal nutrition, also play a significant role.

For instance, Vata imbalance during pregnancy may result in restlessness and hyperactivity in the child, while Pitta imbalance can lead to irritability and aggressive tendencies. Kapha imbalance may manifest as delayed learning, lethargy, and social withdrawal. Ayurveda emphasizes early identification and correction of Dosha imbalances to prevent long-term manifestations.

Sanskrit Sloka:
"Doshaam samyamya dhairyena, balakrit vikaro nashayet."

Translation: By balancing the Doshas with patience and proper care, mental disturbances in children can be alleviated.

Role of Parents (Ayurvedic and Modern)

Parents play a pivotal role in both prevention and management of childhood mental disorders. In Ayurveda, the environment provided by caregivers directly influences the child's Manas and Dosha balance. Structured daily routines, proper nutrition, emotional stability, and moral guidance are essential components of parental care.

Ayurvedic Recommendations for Parents:

- Ensure Sattvika Ahara (pure, wholesome, and balanced diet) according to child's Prakriti.
- Maintain regular Dinacharya and sleep routines to balance Vata.
- Encourage physical activity and outdoor play to reduce Kapha-related lethargy.
- Use Sattvavajaya techniques: calm communication, positive reinforcement, meditation practices, and stress management.
- Monitor emotional environment and reduce exposure to excessive Rajasik or Tamasic influences (violent or overly stimulating content).

Modern Integration:

- Behavioral therapy: Parents as co-therapists in Applied Behavior Analysis (ABA) or structured play therapy.
- Parental training programs: Educating caregivers on reinforcement, reward systems, and coping strategies.
- Psychoeducation: Awareness about ASD and other mental disorders to reduce stigma and improve engagement.
- Emotional support: Encouraging mindfulness and stress reduction for both child and parent.

Parental Lifestyle & Counseling Approaches

Parental lifestyle exerts a deep influence on the physical, emotional, and psychological development of a child. In both Ayurveda and modern psychology, the parents' health, attitude, and emotional stability are regarded as crucial determinants of a child's well-

being. Ayurveda explains that the *Parivesha* (environment) and *Manasika Bhava* (mental state) of the parents, particularly the mother, during conception and upbringing, profoundly affect the *Prakriti* and *Manas* of the child.

1. Ayurvedic View on Parental Lifestyle

According to *Charaka Samhita (Sharira Sthana 8/32)*:

"Yathā garbhasya yoniḥ śuddhā bhavati, tathā garbho'pi śuddhaḥ prajāyate."

- *As the purity of the womb and parents is maintained, the offspring too will be pure and healthy.*

This highlights the importance of parental physical and mental purity during conception and upbringing. Ayurveda recognizes that the parental lifestyle directly shapes *Dosha* balance, *Agni* (metabolic fire), and *Sattva* (mental clarity) of the household.

A. Sattvika Ahara (Pure Diet)

Parents are advised to follow a *Sattvika* diet-fresh, wholesome, and vegetarian foods that nourish both the body and mind.

- Avoid *Rajasika* foods (spicy, fried, stimulatory) that increase irritability and restlessness.
- Avoid *Tamasika* foods (stale, processed, heavy) that cause lethargy and depression.
- Favor milk, ghee, seasonal fruits, grains, and herbal decoctions (like *Brahmi*, *Shankhapushpi*, and *Ashwagandha*).

B. Dinacharya (Daily Routine)

Parents maintaining balanced daily habits set behavioral patterns for the child.

- Rise early before sunrise (*Brahma Muhurta*) and practice *Dhyana* (meditation) and *Pranayama* for mental steadiness.
- Engage in light physical activity or *Yoga* to regulate *Vata* and improve mood.
- Avoid excessive screen exposure and late-night stressors.

C. Sattvavajaya Chikitsa (Mind Strengthening Therapy)

Ayurveda prescribes *Sattvavajaya*-the control and redirection of mind-through:

- *Dhairya* (courage), *Smriti* (awareness), and *Viveka* (discrimination between right and wrong).
- Parental practice of patience, compassion, and discipline creates a stable environment that enhances the child's *Sattva Guna*.

D. Parental Emotional Balance

Children with ASD or mental disorders are highly sensitive to parental emotions. Managing stress, anxiety, and frustration through *Abhyanga* (oil massage), *Nasya* (herbal nasal drops), and *Rasayana* therapy can stabilize both physical and emotional health.

2. Modern Counseling and Parental Involvement

Modern child psychiatry acknowledges that the **parent–child dynamic** is central to treatment outcomes in ASD and other developmental or behavioral disorders. Parents are not passive observers but active therapeutic agents.

A. Psychoeducation and Awareness

Educating parents about ASD-its symptoms, prognosis, and management options-reduces stigma and improves acceptance. This empowers parents to follow consistent home-based interventions.

B. Behavioral Parent Training (BPT)

Behavioral therapy focuses on training parents in reinforcement techniques to shape the child's behavior.

- Positive reinforcement for desired behaviors.
- Ignoring or redirecting inappropriate behaviors.
- Maintaining structured routines and visual schedules.

C. Family Systems Therapy

This model views the family as an interconnected unit. Interventions aim to improve communication, empathy, and problem-solving among family members, reducing stress for both parents and the child.

D. Parental Stress Management

Parents of children with ASD often experience emotional burnout. Mindfulness-based stress reduction, yoga, and guided relaxation are modern parallels to *Ayurvedic Dhyana* and *Pranayama* practices.

E. Support Networks

Joining community or online support groups helps parents share experiences, reduce isolation, and access practical coping strategies.

Integration of Ayurveda and Modern Approaches

Both systems recognize that **mental health begins within the family ecosystem**. Ayurveda offers preventive and promotive strategies through lifestyle, diet, and spiritual discipline, while modern approaches provide structured behavioral and emotional support.

A combined approach may include:

- Ayurvedic diet and lifestyle for mental clarity.
- Parental counseling and behavioral therapy.
- Family mindfulness and meditation sessions.
- Rasayana therapy for emotional balance (e.g., *Brahmi Rasayana*, *Mandukaparni Rasayana*).

Sanskrit Insight

"Mātā pitā guru devo bhava."

- *The parents and teacher are the first divine guides in a child's life.*

This verse encapsulates the essence of parental responsibility in nurturing mental health and spiritual development.

Practical Guidelines and Case Insights

Ayurveda views the child (Bāla) not merely as a miniature adult but as an individual with developing Dhātus, Manas, and Buddhi. Therefore, both preventive (Nidāna Parivarjana) and promotive (Swasthasya Swasthya Rakshanam) measures play vital roles in maintaining mental health. In the context of Autism Spectrum Disorder (ASD) and other childhood mental disorders, the active participation of parents-guided by Ayurvedic wisdom and modern scientific understanding-becomes the cornerstone of therapy.

1. HOME ENVIRONMENT AND PARENTAL ATTITUDE

A child with ASD thrives best in a calm, structured, and emotionally secure environment. Ayurveda emphasizes Sattvika Parivesha-a pure, harmonious atmosphere filled with affection, patience, and understanding.

Ayurvedic Principles Applied at Home:

Sattvika Parivesha: The emotional energy of the home should be calm, compassionate, and consistent. Avoid excessive noise, conflicts, or overstimulation that can aggravate Vata and Rajas.

Color and Aroma Therapy: Soft colors like light blue, green, or white promote tranquility. Diffusing mild Ayurvedic essential oils such as Lavanga, Kumkuma, or Chandana may calm hyperactivity.

Touch and Sensory Regulation: Daily Abhyanga (oil massage) using Ksheerabala taila or Brahmi taila helps regulate the nervous system, improve sleep, and reduce anxiety.

Routine: Maintaining Dinacharya (consistent sleep, meals, study, and play schedules) supports Vata balance and emotional security.

Modern Psychological Insights:

Research suggests that predictable routines reduce anxiety and behavioral outbursts in ASD children (Johnson et al., 2020). Parents should use visual timetables, structured transitions, and positive reinforcement to aid comprehension and adaptability.

2. COMMUNICATION AND BEHAVIORAL TECHNIQUES

Children with ASD often struggle with language and social communication. Ayurveda attributes this to disturbances in Vata dosha and Manovaha Srotas (mental channels).

Ayurvedic Practices to Enhance Communication:

Medhya Rasayana Herbs: Regular use of Brahmi (Bacopa monnieri), Mandukaparni (Centella asiatica), and Yashtimadhu (Glycyrrhiza glabra) enhances Smriti (memory), Dhi (intellect), and Viveka (discernment).

Mantra Therapy: Repetition of calming mantras (e.g., "Om Namah Shivaya") under guidance may improve concentration and reduce agitation.

Sattvavajaya Techniques: Teach children simple breath awareness, rhythmic clapping, or mantra chanting to improve sensory integration.

Modern Interventions:

Applied Behavior Analysis (ABA): Parents are trained to encourage positive behaviors using reinforcement.

Speech and Occupational Therapy: Regular sessions complemented by Ayurvedic calming oils (applied to scalp or soles) can enhance outcomes.

Social Stories & Visual Aids: Help children understand social expectations and reduce anxiety.

3. DIETARY GUIDELINES (ĀHĀRA CHIKITSĀ)

Diet plays a crucial role in managing neurodevelopmental disorders. Ayurveda identifies Agnimandya (poor digestion), Āma accumulation (toxins), and Vata-Prakopa (neural hyperactivity) as root causes of imbalance.

Ayurvedic Diet for ASD Children:

Goal	Recommendations	Avoid
Calm Vata	Warm, fresh, cooked meals; ghee, moong dal, rice gruel, milk with Brahmi	Cold, raw, dry foods; carbonated drinks
Strengthen Agni	Small, frequent meals; digestive herbs like Ajwain, Jeera, Trikatu	Overeating, late-night snacks
Detoxify Ama	Lukewarm water with lemon and honey in the morning	Junk food, preservatives
Nourish Mind	| Include almonds, walnuts, raisins, dates soaked overnight	Refined sugar, artificial colorants

Modern Nutrition Insight:
Studies show gluten- and casein-free diets may improve behavioral symptoms in some ASD children (Whiteley et al., 2019). The Ayurvedic emphasis on fresh, digestible food parallels these findings.

4. PARENTAL INVOLVEMENT IN THERAPY

Parents are co-therapists in every intervention plan. Their consistent participation enhances the child's engagement and generalization of learned skills.

Ayurvedic Perspective:
In Kaumarbhritya Tantra, the mother (Mātṛ) is described as the first physician for the child. Her nurturing touch, emotional warmth, and moral grounding are therapeutic in themselves.

Śloka (Kashyapa Samhita, Sutra Sthana 6/4):

"Mātā hi shishoh prathamam vaidyam."

The mother herself is the first healer of the child.

Modern Perspective:
Parents maintain home-based reinforcement systems for communication and social interaction.

They record behavioral logs to track progress.

Emotional self-care through support groups and therapy prevents caregiver burnout.

5. CASE INSIGHT 1: INTEGRATIVE APPROACH FOR ASD

Case Summary:
A 5-year-old male child with diagnosed ASD presented with speech delay, poor eye contact, and repetitive behaviors.

Ayurvedic Intervention:
Medhya Rasayana: Brahmi ghrita 5 ml twice daily.

Abhyanga: Daily massage with Ksheerabala taila.

Diet: Warm meals with ghee, avoidance of processed foods.

Sattvavajaya: Parental storytelling and calm playtime before sleep.

Modern Complementary Therapy:
3 sessions/week of speech therapy.

ABA training for parents.

Outcome after 3 months:
Improved attention span, better sleep, reduction in hyperactivity, and moderate progress in communication.

This case illustrates that Ayurveda and modern therapies, when used synergistically with parental involvement, yield measurable improvements in ASD management.

6. CASE INSIGHT 2: MANAGING ANXIETY AND HYPERACTIVITY

Case Summary:
A 7-year-old female child with anxiety and hyperactivity disorder (Vata-Pitta prakriti) showed irritability and concentration difficulties.

Intervention Plan:
Shirodhara with Brahmi taila twice a week.

Rasayana: Mandukaparni churna 1g twice daily.

Parental lifestyle correction: Early bedtime, family meditation, limited screen time.

Modern: Cognitive behavioral sessions for parents to model calm communication.

Outcome:
After 2 months, marked reduction in irritability, better focus, and improved sleep quality.

7. *Home-Based Ayurvedic Routine for Parents*

Time	Activity	Ayurvedic & Modern Rationale
Morning	Meditation / Pranayama	Stabilizes Vata, enhances patience
Breakfast	Warm milk with Brahmi churna	Promotes mental clarity
Daytime	Structured tasks with child	Builds predictability, reduces anxiety
Evening	Gentle massage, storytelling	Strengthens bond and security
Night	Gratitude reflection	Reduces caregiver stress

8. *Ethical and Emotional Aspects*

Ayurveda places great importance on Manasa Shuddhi (mental purity). Parents must cultivate acceptance and empathy, seeing the child not as "disordered" but as uniquely wired.

- "Karunyam bhuteshu." – Show compassion to all beings.

This perspective fosters a nurturing environment essential for healing and growth.

Integration of Ayurveda and Modern Approaches

The management of Autism Spectrum Disorder (ASD) and other childhood mental disorders is most effective when it bridges traditional wisdom and modern science. Ayurveda offers a personalized, preventive, and holistic foundation, while modern medicine provides structured diagnostic and behavioral frameworks. The integration of these systems enables comprehensive care, addressing both Shariika (physical) and Manasika (mental) dimensions.

1. *Conceptual Integration*

Ayurvedic Principle	Modern Parallel	Integration Strategy
Dosha Balance (Vata, Pitta, Kapha)	Neurochemical and neurodevelopmental balance	Identify doshic dominance in behavior (e.g., Vata – hyperactivity) and customize routines, diet, and therapies
Agni & Ama	| Metabolic and gut health	Combine Ayurvedic digestion-corrective herbs (Deepana, Pachana) with modern nutritional therapy
Manovaha Srotas	Nervous system and neurotransmission pathways	Support with Medhya Rasayana and stress management
Sattvavajaya Chikitsa	Psychotherapy and behavior modification	Merge with CBT, mindfulness, and parent-mediated interventions
Rasayana Chikitsa	Neuroprotection and neuroplasticity	Employ herbal Rasayanas like Brahmi, Mandukaparni, Shankhapushpi alongside neurorehabilitation

This integrative approach ensures biopsychosocial harmony, promoting mental resilience and balanced neurobehavioral functioning.

2. *Panchakarma and Neurorehabilitation*

Ayurvedic purification and rejuvenation therapies, when guided by a qualified Vaidya, can complement modern rehabilitation:
Shirodhara (oil dripping therapy): Reduces anxiety and hyperactivity, parallels neurofeedback relaxation techniques.

Nasya (nasal herbal therapy): Nourishes cranial nerves; may complement speech and sensory therapy.

Abhyanga & Shiro Abhyanga: Improves proprioception, touch tolerance, and sleep quality.

Matra Basti (small-dose oil enema): Balances Vata and supports sensory regulation.

Modern occupational therapy can run parallel with these, ensuring the child's nervous system receives both physiological and behavioral nurturing.

3. *Role of Parents in Integrated Care*

Parents are the cornerstone of integrated management. Their active role ensures continuity of therapies, emotional reinforcement, and lifestyle adherence.

Key parental responsibilities include:
Coordinating between Ayurvedic and modern practitioners.

Maintaining treatment logs (medications, therapies, diet, behavioral changes).

Practicing meditation, Pranayama, and Sattvika Ahara themselves to create a calm family ecosystem.

Advocating for inclusion and awareness in schools and social settings.

Śloka (Charaka Samhita, Sutra 30/26):

"Ātmanam satatam rakṣet paṇḍito bhūtadayāparaḥ."

The wise protect themselves and others through compassion and self-awareness.

This embodies the parental responsibility to protect and nurture the child through empathy and mindfulness.

4. Ethical, Social, and Educational Integration

A. Ethical Considerations

Ayurveda emphasizes non-violence (Ahimsa), compassion (Karuna), and respect for individuality. Parents and educators must avoid forcing conformity and instead focus on the child's inherent strengths.

Modern ethics reinforce autonomy, dignity, and child-centered care - principles that align deeply with Ayurvedic philosophy.

B. Social Inclusion

Children with ASD and other mental disorders must be viewed through the lens of ability, not disability. Parents play a vital role in educating peers, family members, and teachers to foster empathy and inclusivity.

Ayurveda's concept of Samatva (equanimity) aligns with modern inclusive education models.

C. School Collaboration

Integration between Ayurveda-informed lifestyle and modern educational interventions can enhance learning outcomes.

Daily meditation in classrooms improves attention.

Ayurvedic diet during school hours (fruits, nuts, herbal drinks) supports cognition.

Teachers can learn simple calming techniques from Ayurveda to handle children with sensitivity.

Conclusion

The treatment of Autism Spectrum Disorder and other childhood mental disorders demands a compassionate, multidisciplinary approach rooted in both ancient wisdom and modern science. Ayurveda emphasizes balance-of Doshas, mind, and environment-while modern medicine provides diagnostic precision and structured behavioral interventions.

Parents serve as the bridge between these two systems. Their awareness, lifestyle choices, and emotional stability directly shape the child's therapeutic journey. Through Ayurvedic parenting practices-Sattvika diet, Dinacharya, mindfulness, and Sattvavajaya-combined with modern behavioral therapy, children can achieve improved social, emotional, and intellectual functioning.

Ultimately, the goal is not to "cure" but to nurture wholeness, allowing every child to realize their innate potential within an environment of acceptance, love, and balance.

> "Swasthasya Swasthya Rakshanam, Aturasya Vikara Prashamanam."

> – The purpose of Ayurveda is to preserve health and alleviate disorder.

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